ELSEVIER

Agriculture, Ecosystems and Environment 62 (1997) 261–262

Agriculture Ecosystems & Environment

Contents of *Agriculture, Ecosystems and Environment*, Volume 62

VOL. 62 NO. 1 — MARCH 1997

Spatial economics of local demand for cattle products in Amazon development
M.D. Faminow (Winnipeg, Man., Canada) 1
Reduction of stemborer damage by intercropping maize with cowpea
H. Skovgård (Copenhagen, Denmark) and P. Päts (Uppsala, Sweden) 13
Skylark (*Alauda arvensis*) utilisation of micro-habitats in spring barley fields
P. Odderskær, A. Prang (Rønde, Denmark), J.G. Poulsen (Orono, ME, USA), P.N. Andersen and N. Elmegaard (Silkeborg, Denmark) 21
Effect of cultivar difference ('IR72', 'IR65598' and 'Dular') on methane emission
B. Wang, H.U. Neue (Manila, Philippines) and H.P. Samonte (Laguna, Philippines) 31
Moorland vegetation succession after the control of bracken with asulam
R.J. Pakeman (Huntingdon, UK), M.G. Le Duc and R.H. Marrs (Neston, UK) 41
A study on the uptake of trivalent and hexavalent chromium by paddy (*Oryza sativa*): possible chemical modifications in rhizosphere
S. Mishra, K. Shanker, M.M. Srivastava, S. Srivastava, R. Shrivastav, S. Dass and S. Prakash (Dayalbagh, India) 53
Analysis of deforestation and economically sustainable farming systems under pressure of population growth and income constraints at the village level in Tanzania
A.R.S. Kaoneka (Morogoro, Tanzania) and B. Solberg (Aas, Norway) 59

Guide for Authors 71

Contents of *Applied Soil Ecology*, Vol. 5 No. 1 75

VOL. 62 NOS. 2, 3 — APRIL 1997

Special Issue

BIODIVERSITY IN AGRICULTURE — FOR A SUSTAINABLE FUTURE

CONTENTS

Preface 77

Section 1
Biodiversity evaluation in agricultural landscapes: An approach at two different scales
P. Duelli (Birmensdorf, Switzerland; Padua, Italy) 81
Protozoa as bioindicators in agroecosystems, with emphasis on farming practices, biocides, and biodiversity
W. Foissner (Salzburg, Austria) 93

Mesostigmata (Gamasina, Uropodina), efficient predators in agroecosystems
H.H. Koehler (Bremen, Germany) 105
Studies on soil animals in subtropical China
Yin Wen-ying (Shanghai, People's Republic of China) 119
Problems of estimating and maintaining biodiversity of soil biota in natural and agroecosystems: A case study of chernozem soil
A.D. Pokarzhevskii and D.A. Krivolutskii (Moscow, Russian Federation) 127

Section 2
Some unorthodox perspectives on agricultural biodiversity. The case of legume cultivation
V. Smil (Winnipeg, Man., Canada) 135
Socioeconomic constraints to farming with biodiversity
M. Giampietro (Rome, Italy) 145
Biodiversity use and technical performance of freshwater fish aquaculture in different socioeconomic contexts: China and Italy
T. Gomiero (Padova, Italy), M. Giampietro (Rome, Italy), S.G.F. Bukkens (Padova, Rome, Italy) and M.G. Paoletti (Padova, Italy) 169
Developing swidden agriculture and the threat of biodiversity loss
W. De Jong (Jakarta, Indonesia; Rome, Italy) 187
Biodiversity as an organizing principle in agroecosystem management: Case studies of holistic resource management practitioners in the USA
D.H. Stinner, B.R. Stinner (Wooster, OH, USA) and E. Martsolf (Morrilton, AR, USA) 199
The significance of biodiversity for sustaining agricultural production and role of women in the traditional sector: the Ethiopian experience
B. Tsegaye (Addis Ababa, Ethiopia) 215

Section 3
Maintaining spider biodiversity in agroecosystems as a tool in pest control
P. Marc and A. Canard (Rennes, France) 229
Microbial diversity and application of microbial products for agricultural purposes in China
Dezhong Shen (Beijing, China) 237
Natural resin association such as incense and propolis in zootechnology
M. Bevilacqua, M. Bevilacqua, E. Serra, A. Vianello (Padova, Italy), E. Garrou (Torino, Italy), B. Sparagna (Asti, Italy), U. Barale and C.A. Zaccagna (Torino, Italy) 247
Conservation and augmentation of natural enemies in pest management of Chinese apple orchards
Yan Yu-hua, Yu Yi, Du Xiang-ge and Zhao Bai-ge (Beijing, PR China) 253

Contents of *Agriculture, Ecosystems and Environment*, Volume 62 261

Contents of *Applied Soil Ecology*, Vol. 5 No. 1 263